

FORM PTO-1449

## INFORMATION DISCLOSURE STATEMENT

ATTY. DOCKET NO.  
0942.4340002APPLICATION NO.  
09/472,067APPLICANT  
HU et al.FILING DATE  
December 23, 1999GROUP  
1636

## U.S. PATENT DOCUMENTS

EXAMINER INITIAL		DOCUMENT NUMBER	DATE	NAME	CLASS	SUB-CLASS	FILING DATE
J3	AA1	4,403,036 ✓	09/06/1983	Hartley, J.L. et al.	435	317	12/02/1980
	AB1	4,415,732 ✓	11/15/1983	Caruthers, M.H. et al.	536	27	03/27/1981
	AC1	4,458,066 ✓	07/03/1984	Caruthers, M.H. et al.	536	27	03/24/1981
	AD1	4,500,707 ✓	02/19/1985	Caruthers, M.H. et al.	536	27	03/16/1982
	AE1	4,668,777 ✓	05/26/1987	Caruthers, M.H. et al.	536	27	08/06/1984
	AF1	4,900,659 ✓	02/13/1990	Lo, A. et al.	435	6	01/30/1986
	AG1	4,900,677 ✓	02/13/1990	Hewitt, P.L.	435	259	09/26/1986
	AH1	4,935,357 ✓	06/19/1990	Szybalski, W.	435	91	02/05/1986
	AI1	5,030,566 ✓	07/09/1991	Son, M. et al.	435	91	01/04/1989
	AJ1	5,108,179 ✓	04/28/1992	Myers, S.A.	356	344	08/09/1989
	AK1	5,302,510 ✓	04/12/1994	Klevan, L.	435	6	07/27/1992

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EXAMINER INITIAL		DOCUMENT NUMBER	DATE	COUNTRY	CLASS	SUB-CLASS	TRANSLATION
J3	AL1	JP 63-113359 ✓	05/18/1988	Japan			Yes No
	AM1	WO 91/18095 ✓	11/28/1991	WIPO			Yes No
	AN1	EP 0 466 404 A1 ✓	01/15/1992	Europe			Yes No
	AO1	WO 93/14224 ✓	07/22/1993	WIPO			Yes No
	AP1	WO 94/02647 ✓	02/03/1994	WIPO			Yes No

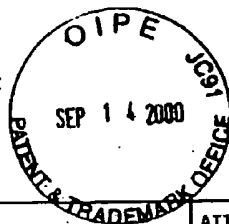
## OTHER (Including Author, Title, Date, Pertinent Pages, etc.)

J3 ↓	AR	1	Bayou Biolabs (Harahan, LA) Products for Molecular Biology 1998 Catalog, "DNA Ladders," pp. 2-7.
	AS	1	Bernards, A., et al., "Pulsed field gradient electrophoresis of DNA digested in agarose allows the sizing of the large duplication unit of a surface antigen gene in trypanosomes," <i>Chemical Abstracts</i> 105:187, Abstract No. 92470r (1986).
	AT	1	BRL/Life Technologies Package Insert, "DNA Analysis Marker System" (1990).

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EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to Applicant.



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EXAMINER INITIAL		DOCUMENT NUMBER	DATE	NAME	CLASS	SUB-CLASS	FILING DATE
J3 ↓	AA2	5,316,908 ✓	05/31/1994	Carlson, D.P. et al.	435	6	07/13/1990
	AB2	5,714,326 ✓	02/03/1998	Dawson, E.P.	435	6	12/05/1994
	AC2	5,792,664 ✓	08/11/1998	Chait, B.T. et al.	436	89	06/07/1995
	AD2	5,840,575 ✓	11/24/1998	Hyman, E.D.	435	320.1	01/10/1997
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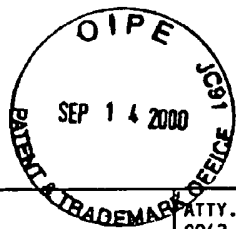
FOREIGN PATENT DOCUMENTS

EXAMINER INITIAL		DOCUMENT NUMBER	DATE	COUNTRY	CLASS	SUB-CLASS	TRANSLATION
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	AM						Yes No
	AN						Yes No
	AO						Yes No
	AP						Yes No

OTHER (Including Author, Title, Date, Pertinent Pages, etc.)

J3 ↓	AR	2 ✓	Carman, W.F., and C. Williamson, "Detection of Enzymatically Amplified Human Immunodeficiency Virus DNA by Oligonucleotide Solution Hybridization and by Incorporation of Radiolabeled Deoxynucleotides," <i>J. Clin. Microbiol.</i> 27:2570-2573 (1989).
	AS	2 ✓	GenBank Accession No. J02459, "Bacteriophage Lambda whole Genome," April 23, 1996.
	AT	2 ✓	Gensura Laboratories, Inc. Product List Winter 1997-98 for "Superladder dsDNA Markers," including "Superladder-low," "Superladder-mid 1,2," and "Superladder-high." (3 pages)

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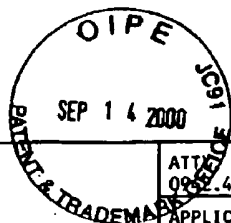
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	AL						Yes No
	AM						Yes No
	AN						Yes No
	AO						Yes No
	AP						Yes No

OTHER (Including Author, Title, Date, Pertinent Pages, etc.)			
J3	AR	3	Gralla, J.D., "Rapid 'footprinting' on supercoiled DNA," <i>Proc. Natl. Acad. Sci. USA</i> 82:3078-3081 (1985).
I	AS	3	Huang, J. et al., "Restriction endonuclease analysis of granulosis virus DNA of <i>Agrotis exclamationis</i> Linnaeus," <i>Chemical Abstracts</i> 107:175, Abstract No. 34093a (1987).
↓	AT	3	Invitrogen (Carlsbad, CA) 1997 Product Catalog, "DNA Molecular Weight Markers," p. 113.

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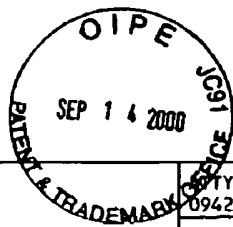
83	AR	4	Jones, C.P. et al., "Separation of yeast chromosomes in the megabase range suitable as size markers for pulsed-field gel electrophoresis," <i>Chemical Abstracts</i> 112:172, Abstract No. 230760h (1990).
↓	AS	4	Life Technologies 1995 Gibco BRL Catalog, pp. 14-2, 14-6, 15-14, R-90 (1995).
↓	AT	4	Life Technologies 1997 Gibco BRL Catalog, p. 16-2 (1997).

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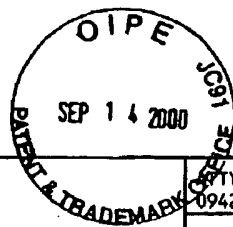
J3	AR	5	Life Technologies, Inc. (Gaithersburg, MD) GIBCO BRL 1997/1998 Products and Reference Guide, "500 bp Ladder" and "1 Kb DNA Ladder," p. 16-5.
↓	AS	5	Mathew, M.K. <i>et al.</i> , "High-Resolution Separation and Accurate Size Determination in Pulsed-Field Gel Electrophoresis of DNA. 1. DNA Size Standards and the Effect of Agarose and Temperature," <i>Biochemistry</i> 27:9204-9210 (1988).
↓	AT	5	Minter, S. and P. Sealey, "Appendix 1: Nucleic Acid Molecular Weight Markers," In: <i>Gel Electrophoresis of Nucleic Acids: A Practical Approach</i> , Rickwood, D. and B.D. Hames, eds., IRL Press, Washington, D.C., pp. 227-232 (1982).

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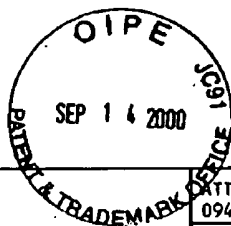
83	AR	6	Novagen 1997 Catalog, Published by Novagen, Milwaukee, WI, pp. 4-5, 115-117.
↓	AS	6	Pharmacia LKB Biotechnology (Piscataway, NJ), 1990 Molecular and Cell Biology Price List, "Molecular Weight Markers," p. 23.
↓	AT	6	Pharmacia Biotech (Piscataway, NJ) 1997 Biodirectory Product Catalog, "KiloBase DNA Marker," p. 58.

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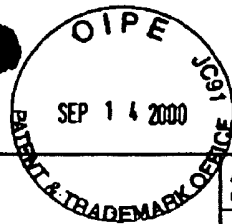
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83	AR	Z	Promega (Madison, WI), 1990 Products Catalog, "Lambda <i>ECORI</i> Markers," p. 238.
↓	AS	Z	Promega (Madison, WI), 1997 Biological Research Products Catalog, "1kb DNA Ladder," p. 17.
↓	AT	Z	Sigma (St. Louis, MO), 1997 Biochemicals and Reagents for Life Science Research Catalog, "DNA/RNA Analysis Products," p. 1530.

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## INFORMATION DISCLOSURE STATEMENT

ATTY. DOCKET NO.  
0942.4340001APPLICATION NO.  
09/048,242APPLICANT  
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1643

## U.S. PATENT DOCUMENTS

EXAMINER INITIAL		DOCUMENT NUMBER	DATE	NAME	CLASS	SUB-CLASS	FILING DATE
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83	AR	8	Stratagene (La Jolla, CA), 1988 Catalog, pp. 55-57, 100, 123.
1	AS	8	Stratagene (La Jolla, CA) 1997/1998 Catalog, "Kb DNA Ladder," p. 130.
2	AT	8	Dialog File 351, English language abstract of Japanese Patent No. 63-113359 (Doc. AL1), Derwent WPI Accession No. 88-177809/26 (1988).

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